

SAFETY DATA SHEET**CHARBONNEL VERNIS GRAVEUR ULTRAFLEX / LIQUID GROUND ENGRAVER ULTRAFLEX**

According to Regulation (EC) No 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Product name CHARBONNEL VERNIS GRAVEUR ULTRAFLEX / LIQUID GROUND ENGRAVER ULTRAFLEX
Product No. 60142

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Etching ground

1.3. Details of the supplier of the safety data sheet

Supplier ColArt International SA
5 Rue Rene Panhard
Z.I .Nord
72021 Le Mans Cedex 2
+33 2 43 83 83 00
Lefranc-Bourgeois@colart.fr

Contact Person Jon Lloyd Group Regulatory Affairs Manager +44 (0)20842434224; j.lloyd@colart.co.uk

1.4. Emergency telephone number

33 (0)2 43 83 83 00 This number is only available during office hours.

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

Classification (1999/45/EEC) Xn;R20/21/22, R65. Xi;R36/38. R43. N;R51/53. R10.

2.2. Label elements

Contains TURPENTINE, OIL
Labelling



Harmful



Dangerous for the environment

Risk Phrases

R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

Safety Phrases

S2	Keep out of the reach of children.
S13	Keep away from food, drink and animal feeding stuffs.
S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
S36/37	Wear suitable protective clothing and gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
S64	If swallowed, rinse mouth with water (only if the person is conscious).

2.3. Other hazards**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

MSDS # 46900 CHARBONNEL VERNIS GRAVEUR ULTRAFLEX / LIQUID GROUND ENGRAVER ULTRAFLEX

3.2. Mixtures

(R)-P-MENTHA-1,8-DIENE	< 1%
CAS-No.: 5989-27-5	EC No.: 227-813-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xi;R38. N;R50/53. R10,R43.
(S)-P-MENTHA-1,8-DIENE	< 1%
CAS-No.: 5989-54-8	EC No.: 227-815-6
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xi;R38. N;R50/53. R10,R43.
B-PINENE	< 1%
CAS-No.: 127-91-3	EC No.: 204-872-5
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R65. N;R50/53. R10,R43.
LINALOOL	1-5%
CAS-No.: 78-70-6	EC No.: 201-134-4
Classification (EC 1272/2008) Skin Irrit. 2 - H315	Classification (67/548/EEC) Xi;R38.
PINENES (ALPHA OR BETA)	< 1%
CAS-No.:	EC No.:
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R65. N;R50/53. R10,R43.

MSDS for 46900 - CHARBONNELHARD GROUND ULTRAFLEX / LIQUID GROUND ENGRAVER ULTRAFLEX

TURPENTINE, OIL		60-100%
CAS-No.: 8006-64-2	EC No.: 232-350-7	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	R10	
Acute Tox. 4 - H302	Xn;R20/21/22,R65	
Acute Tox. 4 - H312	R43	
Acute Tox. 4 - H332	Xi;R36/38	
Skin Irrit. 2 - H315	N;R51/53	
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Consult a physician for specific advice.

Inhalation

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.

Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation.

Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

May cause stomach pain or vomiting. Drowsiness, dizziness, disorientation, vertigo.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

May cause severe irritation to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Water spray, fog or mist. Foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

During fire, toxic gases (CO, CO₂) are formed.

Unusual Fire & Explosion Hazards

Oxidizes readily in air to unstable peroxides that may explode spontaneously. May explode when heated or when exposed to flames or sparks.

May travel considerable distance to source of ignition and flash back.

5.3. Advice for firefighters

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Special Fire Fighting Procedures

Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. If risk of water pollution occurs, notify appropriate authorities.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Ventilate well, stop flow of gas or liquid if possible. Remove ignition sources. Do not allow chemical to enter confined spaces such as sewers due to explosion risk. Sewers designed to preclude formation of explosive concentrations of vapour may be permitted. Absorb spillage with non-combustible, absorbent material. Prevent discharge of larger quantity to drain. Avoid contact with skin or inhalation of spillage, dust or vapour.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Ground container and transfer equipment to eliminate static electric sparks. Store in a cool and well-ventilated place.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
TURPENTINE, OIL	OES	100 ppm	566 mg/m ³	150 ppm	850 mg/m ³	

8.2. Exposure controls

Engineering measures

Provide adequate general and local exhaust ventilation.

Hand protection

For exposure of 4 to 8 hours use gloves made of: Polyvinyl alcohol (PVA). P.T.F.E (Teflon).

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station and safety shower. Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet. Promptly remove non-impervious clothing that becomes wet or contaminated. Wash contaminated clothing before reuse. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Brown.
Odour	Turpentine.
Solubility	Insoluble in water

Initial boiling point and boiling range >156

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Relative density 0.9
 pH-Value, Conc. Solution
 Not applicable.
 Flash point 32 CC (Closed cup).
 Auto Ignition Temperature (°C) >250

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Avoid Air and oxidisers. Light.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation
 May polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Oxides of: Carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Acute Toxicity (Oral LD50)
 Not determined.
 Acute Toxicity (Dermal LD50)
 Not determined.
 Acute Toxicity (Inhalation LC50)
 Not determined.

Health Warnings

Gas or vapour is harmful on prolonged exposure or in high concentrations. This chemical may cause skin/eye irritation and burns (corrosive).
 Irritant of eyes and mucous membranes.

Target Organs

Central nervous system Eyes Gastro-intestinal tract Respiratory system, lungs Skin

Medical Symptoms

Extreme irritation of eyes and mucous membranes, including burning and tearing. Upper respiratory irritation. Severe skin irritation. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Hypotension (low blood pressure).

Medical Considerations

Skin disorders and allergies. Convulsive disorders, CNS problems.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Acute Toxicity - Fish
 Not determined.
 Acute Toxicity - Aquatic Invertebrates
 Not determined.
 Acute Toxicity - Microorganisms
 Not determined.

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Not determined.

Chronic Toxicity - Aquatic Invertebrates

Not determined.

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil**12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects****SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Environmental manager must be informed of all major spillages.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

UN No. (ADR/RID/ADN) 1263

14.2. UN proper shipping name

Proper Shipping Name PAINT RELATED MATERIAL

Proper Shipping Name PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

IMDG Class 3

ICAO Class/Division 3

Transport Labels

**14.4. Packing group**

ADR/RID/ADN Packing group III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6. Special precautions for user

Hazard No. (ADR)	30 Flammable liquid (flash-point between 23°C and 60°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 60°C, heated to a temperature equal to or above its flash-point, or a heating liquid.
Tunnel Restriction Code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

SECTION 16: OTHER INFORMATION

Revision Date	01/06/2012
Revision	1
Date	20/02/09
Risk Phrases In Full	
R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R65	Harmful: may cause lung damage if swallowed.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements In Full	
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in a process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

Item Numbers: 46900-1004, 46900-1005